

# API v1 Documentation

## Overview

This document provides comprehensive API documentation for the Magnet e-commerce platform's v1 endpoints. The API is organized into three main sections: User, Business, and Dashboard routes.

**Base URL:** </api/v1>

## Authentication

Most endpoints require authentication via JWT token in the Authorization header:

```
Authorization: Bearer <your-jwt-token>
```

## Role-Based Access Control

- **Customer:** Regular users who can browse products, place orders, and manage their profile
- **Business:** Business users who can manage their products, view their orders, and handle reviews
- **Admin/Employee:** Administrative users with full system access

## User Routes (</api/v1/user>)

Authentication (</api/v1/user/auth>)

### Register User

- **POST** </api/v1/user/auth/register>
- **Description:** Register a new customer account
- **Authentication:** None required
- **Body:**

```
{
  "firstname": "string",
  "lastname": "string",
  "email": "string",
  "phone": "string",
  "password": "string",
  "country": "string",
  "language": "string"
}
```

### Business Registration Request

- **POST** /api/v1/user/auth/business-request
- **Description:** Submit a business registration request
- **Authentication:** None required
- **Body:**

```
{  
    "firstname": "string",  
    "lastname": "string",  
    "email": "string",  
    "phone": "string",  
    "password": "string",  
    "businessName": "string",  
    "businessType": "string",  
    "businessDescription": "string",  
    "country": "string",  
    "language": "string"  
}
```

## Login

- **POST** /api/v1/user/auth/login
- **Description:** Authenticate user with email/phone and password
- **Authentication:** None required
- **Body:**

```
{  
    "identifier": "string (email or phone)",  
    "password": "string"  
}
```

## Send Email OTP

- **POST** /api/v1/user/auth/send-email-otp
- **Description:** Send OTP verification code to email
- **Authentication:** None required
- **Body:**

```
{  
    "email": "string"  
}
```

## Send Phone OTP

- **POST** /api/v1/user/auth/send-phone-otp

- **Description:** Send OTP verification code to phone
- **Authentication:** None required
- **Body:**

```
{  
  "phone": "string"  
}
```

## Confirm OTP

- **POST** /api/v1/user/auth/confirm-otp
- **Description:** Verify OTP code
- **Authentication:** None required
- **Body:**

```
{  
  "identifier": "string (email or phone)",  
  "otp": "string"  
}
```

## Login with OTP

- **POST** /api/v1/user/auth/login-with-otp
- **Description:** Login using OTP instead of password
- **Authentication:** None required
- **Body:**

```
{  
  "identifier": "string (email or phone)"  
}
```

## Confirm Login OTP

- **POST** /api/v1/user/auth/confirm-login-otp
- **Description:** Complete OTP login process
- **Authentication:** None required
- **Body:**

```
{  
  "identifier": "string (email or phone)",  
  "otp": "string"  
}
```

## Change Password

- **POST** [/api/v1/user/auth/password](#)
- **Description:** Change user password
- **Authentication:** Required (Customer)
- **Body:**

```
{  
    "currentPassword": "string",  
    "newPassword": "string"  
}
```

## Profile ([/api/v1/user/profile](#))

### Get Profile

- **GET** [/api/v1/user/profile](#)
- **Description:** Get current customer profile
- **Authentication:** Required (Customer)

### Update Profile

- **PUT** [/api/v1/user/profile](#)
- **Description:** Update current customer profile
- **Authentication:** Required (Customer)
- **Body:**

```
{  
    "firstname": "string",  
    "lastname": "string",  
    "email": "string",  
    "phone": "string",  
    "country": "string",  
    "language": "string"  
}
```

## Products ([/api/v1/user/products](#))

### Get All Products

- **GET** [/api/v1/user/products](#)
- **Description:** Get all approved and allowed products (protected public endpoint)
- **Authentication:** Required
- **Query Parameters:**
  - **page** (optional): Page number
  - **limit** (optional): Items per page

- **category** (optional): Filter by category
- **search** (optional): Search term

## Get Product by ID

- **GET** `/api/v1/user/products/:id`
- **Description:** Get specific product details
- **Authentication:** Required

Orders (`/api/v1/user/orders`)

## Get All Orders

- **GET** `/api/v1/user/orders`
- **Description:** Get all customer's orders
- **Authentication:** Required (Customer)
- **Query Parameters:**
  - **page** (optional): Page number
  - **limit** (optional): Items per page
  - **status** (optional): Filter by order status

## Get Order by ID

- **GET** `/api/v1/user/orders/:id`
- **Description:** Get specific customer's order
- **Authentication:** Required (Customer)

## Create Order

- **POST** `/api/v1/user/orders/order`
- **Description:** Create a new order
- **Authentication:** Required (Customer)
- **Body:**

```
{  
  "items": [  
    {  
      "productId": "string",  
      "quantity": "number",  
      "price": "number"  
    }  
  ],  
  "shippingAddress": "string",  
  "paymentMethod": "string",  
  "notes": "string"  
}
```

## Update Order

- **PUT** [/api/v1/user/orders/order/:id](#)
- **Description:** Update existing order
- **Authentication:** Required (Customer)
- **Body:**

```
{  
  "items": "array",  
  "shippingAddress": "string",  
  "paymentMethod": "string",  
  "notes": "string"  
}
```

## Cancel Order

- **PUT** [/api/v1/user/orders/order/:id/cancel](#)
- **Description:** Cancel order before shipment
- **Authentication:** Required (Customer)

Addresses ([/api/v1/user/addresses](#))

### Get All Addresses

- **GET** [/api/v1/user/addresses](#)
- **Description:** Get all customer's addresses
- **Authentication:** Required (Customer)

### Get Address by ID

- **GET** [/api/v1/user/addresses/:id](#)
- **Description:** Get specific customer's address
- **Authentication:** Required (Customer)

### Create Address

- **POST** [/api/v1/user/addresses/address](#)
- **Description:** Create a new address
- **Authentication:** Required (Customer)
- **Body:**

```
{  
  "street": "string",  
  "city": "string",  
  "state": "string",  
  "zipCode": "string",  
  "country": "string",  
  "isDefault": "boolean"  
}
```

## Update Address

- **PUT** [/api/v1/user/addresses/address/:id](#)
- **Description:** Update existing address
- **Authentication:** Required (Customer)
- **Body:**

```
{  
    "street": "string",  
    "city": "string",  
    "state": "string",  
    "zipCode": "string",  
    "country": "string",  
    "isDefault": "boolean"  
}
```

## Delete Address

- **DELETE** [/api/v1/user/addresses/address/:id](#)
- **Description:** Delete existing address
- **Authentication:** Required (Customer)

Wishlists ([/api/v1/user/wishlists](#))

## Get Wishlist

- **GET** [/api/v1/user/wishlists](#)
- **Description:** Get customer's wishlist
- **Authentication:** Required (Customer)

## Toggle Wishlist Item

- **PUT** [/api/v1/user/wishlist](#)
- **Description:** Add product if not exists, remove if exists
- **Authentication:** Required (Customer)
- **Body:**

```
{  
    "productId": "string"  
}
```

---

## Business Routes ([/api/v1/business](#))

Products ([/api/v1/business/products](#))

## Get Business Products

- **GET** /api/v1/business/products
- **Description:** Get all products belonging to the business user
- **Authentication:** Required (Business)
- **Query Parameters:**
  - **page** (optional): Page number
  - **limit** (optional): Items per page
  - **status** (optional): Filter by product status

## Get Product by ID

- **GET** /api/v1/business/products/:id
- **Description:** Get specific product details
- **Authentication:** Required (Business)

## Create Product

- **POST** /api/v1/business/products/product
- **Description:** Create a new product
- **Authentication:** Required (Business)
- **Body:**

```
{  
    "name": "string",  
    "description": "string",  
    "price": "number",  
    "categoryId": "string",  
    "images": "array",  
    "stock": "number",  
    "isAllowed": "boolean"  
}
```

## Update Product

- **PUT** /api/v1/business/products/product/:id
- **Description:** Update existing product
- **Authentication:** Required (Business)
- **Body:**

```
{  
    "name": "string",  
    "description": "string",  
    "price": "number",  
    "categoryId": "string",  
    "images": "array",  
    "stock": "number",  
    "isAllowed": "boolean"  
}
```

```
    "isAllowed": "boolean"  
}
```

## Delete Product

- **DELETE** </api/v1/business/products/product/:id>
- **Description:** Delete product
- **Authentication:** Required (Business)

## Toggle Product

- **PUT** </api/v1/business/products/product/:id/toggle>
- **Description:** Toggle allow/disallow product
- **Authentication:** Required (Business)

## Orders (</api/v1/business/orders>)

### Get Business Orders

- **GET** </api/v1/business/orders>
- **Description:** Get orders containing business user's products only
- **Authentication:** Required (Business)
- **Query Parameters:**
  - `page` (optional): Page number
  - `limit` (optional): Items per page
  - `status` (optional): Filter by order status

### Get Order by ID

- **GET** </api/v1/business/orders/:id>
- **Description:** Get specific order containing business products
- **Authentication:** Required (Business)

## Reviews (</api/v1/business/reviews>)

### Get Business Reviews

- **GET** </api/v1/business/reviews>
- **Description:** Get all reviews for business user's products
- **Authentication:** Required (Business)
- **Query Parameters:**
  - `page` (optional): Page number
  - `limit` (optional): Items per page
  - `productId` (optional): Filter by product

### Get Review by ID

- **GET** </api/v1/business/reviews/:id>

- **Description:** Get specific review details
- **Authentication:** Required (Business)

## Profile (/api/v1/business/profile)

### Get Business Profile

- **GET** /api/v1/business/profile
- **Description:** Get business user profile
- **Authentication:** Required (Business)

### Update Business Profile

- **PUT** /api/v1/business/profile
- **Description:** Update business user profile
- **Authentication:** Required (Business)
- **Body:**

```
{  
    "firstname": "string",  
    "lastname": "string",  
    "email": "string",  
    "phone": "string",  
    "businessName": "string",  
    "businessType": "string",  
    "businessDescription": "string",  
    "country": "string",  
    "language": "string"  
}
```

---

## Dashboard Routes (/api/v1/dashboard)

All dashboard routes require Admin or Employee authentication

## Users (/api/v1/dashboard/users)

### Get All Users

- **GET** /api/v1/dashboard/users
- **Description:** Get all users with pagination and filtering
- **Authentication:** Required (Admin/Employee)
- **Query Parameters:**
  - **page** (optional): Page number
  - **limit** (optional): Items per page
  - **role** (optional): Filter by user role
  - **search** (optional): Search term
  - **isAllowed** (optional): Filter by allowed status

## Get User by ID

- **GET** /api/v1/dashboard/users/:id
- **Description:** Get specific user details
- **Authentication:** Required (Admin/Employee)

## Create User

- **POST** /api/v1/dashboard/users/user
- **Description:** Create a new user
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{  
    "firstname": "string",  
    "lastname": "string",  
    "email": "string",  
    "phone": "string",  
    "password": "string",  
    "role": "string",  
    "country": "string",  
    "language": "string"  
}
```

## Update User

- **PUT** /api/v1/dashboard/users/user/:id
- **Description:** Update existing user
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{  
    "firstname": "string",  
    "lastname": "string",  
    "email": "string",  
    "phone": "string",  
    "role": "string",  
    "country": "string",  
    "language": "string",  
    "isAllowed": "boolean"  
}
```

## Toggle User

- **PUT** /api/v1/dashboard/users/user/:id/toggle
- **Description:** Toggle user allow/disallow status

- **Authentication:** Required (Admin/Employee)

## Delete User

- **DELETE** `/api/v1/dashboard/users/user/:id`
- **Description:** Delete user
- **Authentication:** Required (Admin/Employee)

Products (`/api/v1/dashboard/products`)

## Get All Products

- **GET** `/api/v1/dashboard/products`
- **Description:** Get all products with pagination and filtering
- **Authentication:** Required (Admin/Employee)
- **Query Parameters:**
  - `page` (optional): Page number
  - `limit` (optional): Items per page
  - `category` (optional): Filter by category
  - `businessId` (optional): Filter by business user
  - `status` (optional): Filter by approval status

## Get Product by ID

- **GET** `/api/v1/dashboard/products/:id`
- **Description:** Get specific product details
- **Authentication:** Required (Admin/Employee)

## Create Product

- **POST** `/api/v1/dashboard/products/product`
- **Description:** Create product for specific business user
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{  
    "name": "string",  
    "description": "string",  
    "price": "number",  
    "categoryId": "string",  
    "businessId": "string",  
    "images": "array",  
    "stock": "number"  
}
```

## Update Product

- **PUT** /api/v1/dashboard/products/product/:id
- **Description:** Update product for specific business user
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{  
    "name": "string",  
    "description": "string",  
    "price": "number",  
    "categoryId": "string",  
    "images": "array",  
    "stock": "number"  
}
```

## Delete Product

- **DELETE** /api/v1/dashboard/products/product/:id
- **Description:** Delete product
- **Authentication:** Required (Admin/Employee)

## Approve Product

- **PUT** /api/v1/dashboard/products/product/:id/approve
- **Description:** Approve product
- **Authentication:** Required (Admin/Employee)

## Decline Product

- **PUT** /api/v1/dashboard/products/product/:id/decline
- **Description:** Decline product
- **Authentication:** Required (Admin/Employee)

## Toggle Product

- **PUT** /api/v1/dashboard/products/product/:id/toggle
- **Description:** Toggle allow/disallow product
- **Authentication:** Required (Admin/Employee)

## Get Product Reviews

- **GET** /api/v1/dashboard/products/:id/reviews
- **Description:** Get all reviews for specific product
- **Authentication:** Required (Admin/Employee)

## Get Product Orders

- **GET** /api/v1/dashboard/products/:id/orders

- **Description:** Get all orders containing specific product
- **Authentication:** Required (Admin/Employee)

## Get Product Review by ID

- **GET** `/api/v1/dashboard/products/:productId/reviews/:reviewId`
- **Description:** Get specific product review
- **Authentication:** Required (Admin/Employee)

## Get Product Order by ID

- **GET** `/api/v1/dashboard/products/:productId/orders/:orderId`
- **Description:** Get specific product order
- **Authentication:** Required (Admin/Employee)

Categories (`/api/v1/dashboard/categories`)

## Get All Categories

- **GET** `/api/v1/dashboard/categories`
- **Description:** Get all categories
- **Authentication:** Required (Admin/Employee)

## Get Category by ID

- **GET** `/api/v1/dashboard/categories/:id`
- **Description:** Get specific category details
- **Authentication:** Required (Admin/Employee)

## Create Category

- **POST** `/api/v1/dashboard/categories/category`
- **Description:** Create a new category
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{  
  "name": "string",  
  "description": "string",  
  "isAllowed": "boolean"  
}
```

## Update Category

- **PUT** `/api/v1/dashboard/categories/category/:id`
- **Description:** Update existing category
- **Authentication:** Required (Admin/Employee)

- **Body:**

```
{  
    "name": "string",  
    "description": "string",  
    "isAllowed": "boolean"  
}
```

## Delete Category

- **DELETE** </api/v1/dashboard/categories/category/:id>
- **Description:** Delete category
- **Authentication:** Required (Admin/Employee)

## Toggle Category

- **PUT** </api/v1/dashboard/categories/category/:id/toggle>
- **Description:** Toggle allow/disallow category
- **Authentication:** Required (Admin/Employee)

Orders (</api/v1/dashboard/orders>)

## Get All Orders

- **GET** </api/v1/dashboard/orders>
- **Description:** Get all orders with pagination and filtering
- **Authentication:** Required (Admin/Employee)
- **Query Parameters:**
  - **page** (optional): Page number
  - **limit** (optional): Items per page
  - **status** (optional): Filter by order status
  - **userId** (optional): Filter by user

## Get Order by ID

- **GET** </api/v1/dashboard/orders/:id>
- **Description:** Get specific order details
- **Authentication:** Required (Admin/Employee)

## Create Order

- **POST** </api/v1/dashboard/orders/order>
- **Description:** Create order for specific user
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{  
    "userId": "string",  
    "items": [  
        {  
            "productId": "string",  
            "quantity": "number",  
            "price": "number"  
        }  
    ],  
    "shippingAddress": "string",  
    "paymentMethod": "string"  
}
```

## Update Order

- **PUT** </api/v1/dashboard/orders/order/:id>
- **Description:** Update existing order
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{  
    "items": "array",  
    "shippingAddress": "string",  
    "paymentMethod": "string",  
    "status": "string"  
}
```

## Delete Order

- **DELETE** </api/v1/dashboard/orders/order/:id>
- **Description:** Delete order
- **Authentication:** Required (Admin/Employee)

## Reviews (</api/v1/dashboard/reviews>)

### Get All Reviews

- **GET** </api/v1/dashboard/reviews>
- **Description:** Get all reviews with pagination and filtering
- **Authentication:** Required (Admin/Employee)
- **Query Parameters:**
  - **page** (optional): Page number
  - **limit** (optional): Items per page
  - **productId** (optional): Filter by product
  - **userId** (optional): Filter by user

## Get Review by ID

- **GET** /api/v1/dashboard/reviews/:id
  - **Description:** Get specific review details
  - **Authentication:** Required (Admin/Employee)

## Reject Review

- **PUT** /api/v1/dashboard/reviews/review/:id
  - **Description:** Reject review
  - **Authentication:** Required (Admin/Employee)

[Delete Review](#)

- **DELETE** /api/v1/dashboard/reviews/review/:id
  - **Description:** Delete review
  - **Authentication:** Required (Admin/Employee)

## Addresses ([/api/v1/dashboard/addresses](#))

## Get All Addresses

- **GET** /api/v1/dashboard/addresses
  - **Description:** Get all addresses with pagination and filtering
  - **Authentication:** Required (Admin/Employee)
  - **Query Parameters:**
    - `page` (optional): Page number
    - `limit` (optional): Items per page
    - `userId` (optional): Filter by user

## Get Address by ID

- **GET** /api/v1/dashboard/addresses/:id
  - **Description:** Get specific address details
  - **Authentication:** Required (Admin/Employee)

## Create Address

- **POST** /api/v1/dashboard/addresses/address
  - **Description:** Create address for specific user
  - **Authentication:** Required (Admin/Employee)
  - **Body:**

```
{  
  "userId": "string",  
  "street": "string",  
  "city": "string",  
  "state": "string",
```

```
"zipCode": "string",
"country": "string",
"isDefault": "boolean"
}
```

## Update Address

- **PUT** </api/v1/dashboard/addresses/address/:id>
- **Description:** Update existing address
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{
  "street": "string",
  "city": "string",
  "state": "string",
  "zipCode": "string",
  "country": "string",
  "isDefault": "boolean"
}
```

## Delete Address

- **DELETE** </api/v1/dashboard/addresses/address/:id>
- **Description:** Delete address
- **Authentication:** Required (Admin/Employee)

## Wishlists (</api/v1/dashboard/wishlists>)

### Get All Wishlists

- **GET** </api/v1/dashboard/wishlists>
- **Description:** Get all wishlists with pagination and filtering
- **Authentication:** Required (Admin/Employee)
- **Query Parameters:**
  - **page** (optional): Page number
  - **limit** (optional): Items per page
  - **userId** (optional): Filter by user

### Get Wishlist by ID

- **GET** </api/v1/dashboard/wishlists/:id>
- **Description:** Get specific wishlist details
- **Authentication:** Required (Admin/Employee)

### Create Wishlist

- **POST** /api/v1/dashboard/wishlists/wishlist
- **Description:** Create wishlist for specific user
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{  
  "userId": "string",  
  "productId": "string"  
}
```

## Update Wishlist

- **PUT** /api/v1/dashboard/wishlists/wishlist/:id
- **Description:** Update existing wishlist
- **Authentication:** Required (Admin/Employee)
- **Body:**

```
{  
  "productId": "string"  
}
```

## Delete Wishlist

- **DELETE** /api/v1/dashboard/wishlists/wishlist/:id
- **Description:** Delete wishlist
- **Authentication:** Required (Admin/Employee)

## Business Management (/api/v1/dashboard/business)

### Get All Business Requests

- **GET** /api/v1/dashboard/business/businesses
- **Description:** Get all business registration requests
- **Authentication:** Required (Admin/Employee)
- **Query Parameters:**
  - **page** (optional): Page number
  - **limit** (optional): Items per page
  - **status** (optional): Filter by approval status

### Get Business Request by ID

- **GET** /api/v1/dashboard/business/businesses/:id
- **Description:** Get specific business request details
- **Authentication:** Required (Admin/Employee)

## Approve Business Request

- **PUT** /api/v1/dashboard/business/approve
  - **Description:** Approve business registration request
  - **Authentication:** Required (Admin/Employee)
  - **Body:**

```
{  
    "businessId": "string"  
}
```

## Decline Business Request

- **PUT** /api/v1/dashboard/business/decline
  - **Description:** Decline business registration request
  - **Authentication:** Required (Admin/Employee)
  - **Body:**

```
{  
    "businessId": "string",  
    "reason": "string"  
}
```

## Profile ([/api/v1/dashboard/profile](#))

## Get Admin Profile

- **GET** /api/v1/dashboard/profile
  - **Description:** Get current admin/employee profile
  - **Authentication:** Required (Admin/Employee)

## Update Admin Profile

- **PUT** /api/v1/dashboard/profile
  - **Description:** Update current admin/employee profile
  - **Authentication:** Required (Admin/Employee)
  - **Body:**

```
{  
  "firstname": "string",  
  "lastname": "string",  
  "email": "string",  
  "phone": "string",  
  "country": "string",
```

```
    "language": "string"
}
```

## Statistics (</api/v1/dashboard/stats>)

### Get User Statistics

- **GET** </api/v1/dashboard/stats/users>
- **Description:** Get comprehensive user statistics
- **Authentication:** Required (Admin/Employee)
- **Response:**

```
{
  "totalUsers": "number",
  "customers": "number",
  "businesses": "number",
  "admins": "number",
  "employees": "number",
  "allowedUsers": "number",
  "disallowedUsers": "number",
  "recentUsers": "number"
}
```

### Get Order Statistics

- **GET** </api/v1/dashboard/stats/orders>
- **Description:** Get comprehensive order statistics and revenue data
- **Authentication:** Required (Admin/Employee)
- **Response:**

```
{
  "totalOrders": "number",
  "pendingOrders": "number",
  "confirmedOrders": "number",
  "processingOrders": "number",
  "shippedOrders": "number",
  "deliveredOrders": "number",
  "cancelledOrders": "number",
  "refundedOrders": "number",
  "totalRevenue": "number",
  "recentOrders": "number"
}
```

### Get Product Statistics

- **GET** </api/v1/dashboard/stats/products>

- **Description:** Get comprehensive product statistics and category breakdown
- **Authentication:** Required (Admin/Employee)
- **Response:**

```
{  
  "totalProducts": "number",  
  "approvedProducts": "number",  
  "pendingProducts": "number",  
  "declinedProducts": "number",  
  "averagePrice": "number",  
  "productsByCategory": "array",  
  "recentProducts": "number"  
}
```

## Get Review Statistics

- **GET** /api/v1/dashboard/stats/reviews
- **Description:** Get comprehensive review statistics and rating breakdown
- **Authentication:** Required (Admin/Employee)
- **Response:**

```
{  
  "totalReviews": "number",  
  "approvedReviews": "number",  
  "pendingReviews": "number",  
  "rejectedReviews": "number",  
  "averageRating": "number",  
  "reviewsByRating": "array",  
  "recentReviews": "number"  
}
```

## Get General Statistics

- **GET** /api/v1/dashboard/stats/general
- **Description:** Get overall platform statistics and recent activity
- **Authentication:** Required (Admin/Employee)
- **Response:**

```
{  
  "overview": {  
    "totalUsers": "number",  
    "totalProducts": "number",  
    "totalOrders": "number",  
    "totalReviews": "number",  
    "totalWishlists": "number",  
    "totalAddresses": "number",  
  }
```

```
        "totalRevenue": "number"
    },
    "recentActivity": {
        "recentUsers": "number",
        "recentProducts": "number",
        "recentOrders": "number",
        "recentReviews": "number"
    }
}
```

## Response Format

All API responses follow a consistent format:

### Success Response

```
{
    "status": "success",
    "message": "Operation completed successfully",
    "data": {
        // Response data here
    },
    "pagination": {
        // Pagination info (when applicable)
        "currentPage": 1,
        "totalPages": 10,
        "totalItems": 100,
        "limit": 10
    }
}
```

### Error Response

```
{
    "status": "error",
    "message": "Error description",
    "error": {
        "code": "ERROR_CODE",
        "details": "Additional error details"
    }
}
```

## Status Codes

- **200**: OK - Request successful
- **201**: Created - Resource created successfully

- **400:** Bad Request - Invalid request data
- **401:** Unauthorized - Authentication required
- **403:** Forbidden - Insufficient permissions
- **404:** Not Found - Resource not found
- **500:** Internal Server Error - Server error

## Rate Limiting

API endpoints are subject to rate limiting to ensure fair usage and system stability. Rate limits may vary by endpoint and user role.

## Support

For API support and questions, please contact the development team or refer to the internal documentation.